

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/019838

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F11/14 G11B19/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/008016 A1 (KOTANI SEIGO ET AL) 12 July 2001 (2001-07-12) paragraphs '0019! - '0023!, '0029!, '0030!, '0058!, '0066!, '0074! - '0076!, '0090! figure 2 ----- EP 1 158 410 A (SONY CORPORATION) 28 November 2001 (2001-11-28) paragraphs '0009!, '0013!, '0024! - '0028!, '0035! - '0037!, '0045! - '0062!, '0089! - '0096!, '0103!, '0177! - '0185!, '0246! - '0264! claim 1 figures 1,4 -----	1-7,9, 13,15
A		1-7,9, 13,15

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

18 July 2005

27/07/2005

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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/JP2004/019838**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 11, 12 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 11,12

In accordance with the directives set out in Rule 39.1 PCT, which in detail defines the subject-matter as referred to under Article 17(2)(i) PCT relating to subject-matter for which the International Searching Authority is not required to search, the International Searching Authority is not required to perform search of subject-matter regarding computer programs to the extent that the International Searching Authority is not equipped to search prior art concerning such computer programs, see in particular Rule 39.1(vi) PCT. Accordingly, as the current International Searching Authority is not being adequately equipped to search subject-matter directed to such computer programs, no search is being performed of the subject-matter of the independent claims 11 and 12 of the international application, which claims are specifically directed to such computer program per se.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/019838

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			EP	1158410 A1		28-11-2001
			NO	20013138 A		27-08-2001
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			WO	0131452 A1		03-05-2001
			JP	2001195509 A		19-07-2001
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			US	2004243610 A1		02-12-2004